



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

Date: August 24, 1998

To: Magdalen Greenlief
Office of the Deputy Commissioner
for Patent Policy and Projects

From: Brian W. Brown
Special Program Examiner
Special Program Center
Technology Center 2800

Subject: Consideration of the IDS Filed May 7, 1998
in Serial Number 08/739,622 Now U.S. Patent 5,784,431

The examiner, in the above-captioned patented file, has considered all of the items of information cited in the "SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT AND CERTIFICATION UNDER 37 CFR § 1.97(d)," filed May 7, 1998. The supplemental information disclosure statement was accompanied by (1) a paper entitled "COMBINED PETITION TO WITHDRAW APPLICATION FROM ISSUE AND REQUESTING CONSIDERATION OF A SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT" and a paper entitled "AMENDMENT UNDER RULE 312".

The cited information (McParland), raises a prima facie case of unpatentability with respect to claim 1 issued in Application No. 08/739,622 now U.S. Patent 5,784,431. The examiner has also indicated that the proposed amendments set forth in the Amendment under 37 CFR 1.312 overcome the issues raised by the newly cited prior art.

Brian W. Brown
Special Program Examiner
Technology Center 2800
Physics, Optics, Systems Components,
and Electrical Engineering
(703) 308-6452

BWB:bb

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. :
DATED :
INVENTOR(S) :

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

OTHER DOCUMENTS

		<i>Digital portal image registration by sequential anatomical matchpoint and image correlations for real-time continuous field alignment verification</i> , Brian J. McParland and J. Carl Kumaradas, Phys. 22(7), July 1995, pp. 1063-1075.
		<i>Neutral Network Object Recognition for Inspection of Patient Setup in Radiation Therapy Using Portal Images</i> , Susan S. Young, et al., 1996 IEEE, pp. 3418-3421.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. :
DATED :
INVENTOR(S) :

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the title page, the following should be added.



OTHER DOCUMENTS

		<i>Digital portal image registration by sequential anatomical matchpoint and image correlations for real-time continuous field alignment verification, Brian J. McParland and J. Carl Kumaradas, Phys. 22(7), July 1995, pp. 1063-1075.</i>
		<i>Neural Network Object Recognition for Inspection of Patient Setup in Radiation Therapy Using Portal Images, Susan S. Young, et al., 1996 IEEE, pp. 3418-3421.</i>

APPROVED

JAN 28 1999

FOR THE COMMISSIONER OF PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 5,784,431

DATED : July 21, 1998

INVENTOR(S) : Kalend, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 9, line 37, after "means" insert --comprising coarse alignment means--.

the Column 9, line 38, after "generate" insert --coarse aligned DPIS and DSIS, ^{means} ~~mean~~ determining from said coarse aligned DPIS and DSIS overlapping regions of said simulation and portal images, and fine alignment means generating--.

Column 9, line 38, after "DSIS" insert --from said coarse aligned DPIS and DSIS for said overlapping regions of said simulation and portal images--.

Cancel Claim 2.

Column 9, line 47, change "2" to --1--.

Column 10, line 5, change "2" to --1--.